## DO NOT SCALE Section Suitable hard finish by others -Closed Cell Insulation Newton 408 DeckDrain -Cavity Trays, DPC & Newton 107F -Flashings by others Newton 103-S Newton 203-RM Newton 903-P (See Note A) lewton HydroTank Deck should be poured System water bar to a fall of at least 1:80 Newton 104 Wall membrane (Newton 503, 508) Perforated pipe

NOTE: This is a Newton waterproofing detail and copyright remains with John Newton & Co. Ltd. (trading as Newton Waterproofing Systems). Any specification/advice provided is only valid if used with products supplied by John Newton & Co. Ltd. For the design of the structure, please use a professional designer. We recommend that Newtons' waterproofing systems are installed by our NSBC registered contractors who can offer insurance backed guarantees and accept liability for both the design and installation of our systems. Please refer to product data sheets before installation of our products. Newton Waterproofing Systems reserve the right to update drawings and product literature at any time.

## Notes

This drawing shows an Inverted Warm Roof specification where Newton 103-S and 107F are providing the primary waterproofing to a reinforced concrete deck.

The reinforced concrete deck must be designed and installed to BS EN 1992-3 (Eurocode 2) with Newton HydroTank System water bars where possible in all construction joints.

Formwork must be struck after 28 days for full concrete strength. No more than engineer designed loads to be applied during construction phase, i.e. no

The deck should be engineer designed to provide adequate rainwater disposal to suitable drainage outlets.

Newton 103-S is a two component, thixotropic, cementitious modified polymer waterproofing

Newton 107F is a highly flexible cement based waterproofing slurry.

Newton 903-P is a modified styrene/acrylic copolymer primer for concrete applied prior to the installation of the Newton 103-S to minimise the risk of out-gassing and to increase bond.

Newton 408 DeckDrain ensures that water is drained away from the structure before water pressure can develop, and acts as a further barrier to the external junction of deck slab and supporting wall.

A) Kiln dried sand to be broadcast in to 0.5mm third coat of Newton 107F to provide mechanical key for Newton 109-LM.

A coating of Newton 104 isolates the deck/soffit from moisture within the retaining wall.

To access further details and relevant technical information please call our Technical Team on 01732 360095 or refer to our website.

Newton DeckFlex System

Deck Waterproofing - Inverted Warm Roof -103-S - 107F - 903-P - 203-RM - 408 DeckDrain -104 - System 500



Newton 108 HydroBond-LM or Newton 403 HydroBond

Newton 109-LM,

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Scale	Drawing Reference	Original Reference	Drawing Revision
Not to scale	DW-IW-09		b
Date	Designed by	Drawn by	Checked by
29/06/2020	RC	AJG	RC